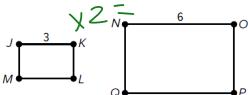
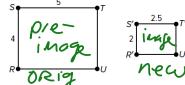
1. Use the figure to complete the statement.



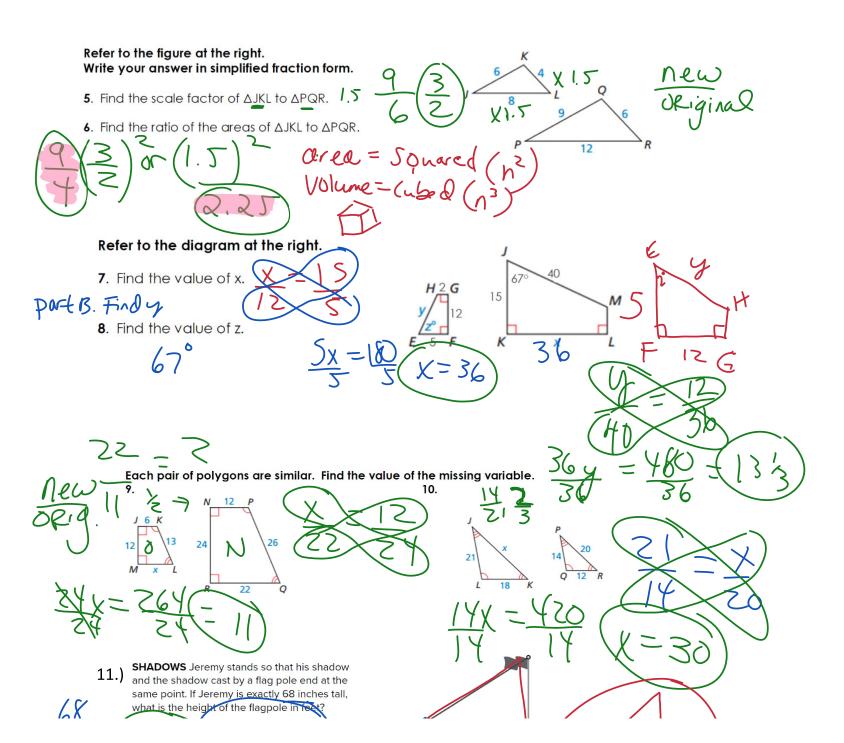
The transformation from rectangle *JKLM* to rectangle *NOPQ* is a(n)

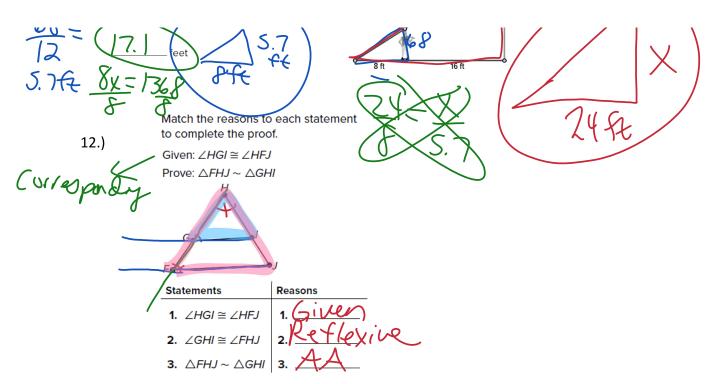
- [A.] enlargement B. reduction] with a scale factor of
- [A. 0.5 (B. 2)C. 3].
- 2.) If the point P(4,6) is dilated with a center of dilation at the origin and $k=\frac{3}{2}$ then where is P(2,6)
- 3.) If after a dilation T' is at (-4, 28) and T was at (-1, 7) then what was the value of k?





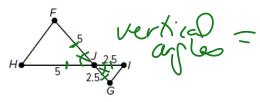
- What is the similarity ratio of the dilation?
- A. $\frac{1}{2}$ C. B. 2 D.





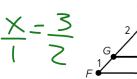
- A. Third Angles Theorem
- B. Transitive Property of Congruence
- C. Given
- D. AA Similarity Postulate
- **E.** Reflexive Property of Congruence

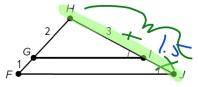
13.) Which reason proves that $\triangle FHJ \sim \triangle GIJ$?

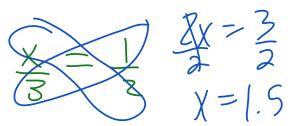


- A. AA Similarity Postulate
- B. SAS Similarity Theorem

14.) What is the length of \overline{HJ} ?







15. Find the value of x.

$$\frac{1}{4} = \frac{2}{6}$$

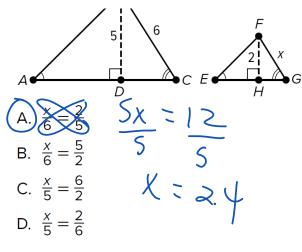
$$\frac{1}{3} = \frac{2}{6}$$

$$\frac{1}{3} = \frac{2}{6}$$

$$\frac{1}{3} = \frac{2}{6}$$

$$\frac{2}{5} = \frac{8}{6}$$
 $\frac{2}{6}$
 $\frac{2}{6}$
 $\frac{2}{6}$
 $\frac{1}{3}$

16.) Which equation can be used to find the value of *x*?



B.
$$\frac{x}{6} = \frac{5}{2}$$

C.
$$\frac{x}{5} = \frac{6}{2}$$

D.
$$\frac{x}{5} = \frac{2}{6}$$